



HICHROM

Chromatography Columns and Supplies

LC COLUMNS L-Column

Catalogue 9

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L-COLUMN

- C18 and C8 phases
- Super endcapped
- ODS-V validated phase
- L-column2 phases with improved endcapping

The L-column and L-column2 series of columns are manufactured by CERI (Chemicals Evaluation and Research Institute, Japan).

Series	Phase	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)	Endcapped
L-column2 ¹	L-column2 ODS	2, 3, 5	120	340	17	Yes
	L-column2 C8	5	120	340	10	Yes
L-column	ODS	3, 5	120	340	17	Yes
	ODS-V	5	120	340	17	Yes
	C8	5	120	340	10	Yes

¹ L-column2 C6-Phenyl also available – please enquire

L-column packing materials are endcapped by high temperature gaseous phase silylation (super endcapping; US Patent No. 5,134,110, Japan Patent No. 2611545), which allows a nearly complete deactivation of residual silanols. As a result, L-columns show no peak tailing of basic compounds and high durability (pH range of C18 is 2 - 9, pH range of C8 is 2 - 7.5).

L-column ODS-V

L-column ODS-V has been developed for complying with method validation required by GLP/GMP. Batch-to-batch and column-to-column reproducibility are controlled by strict quality control of manufacturing and testing procedures.

L-column2 ODS and C8

L-column2 ODS and C8 columns form part of a newer generation of columns, showing higher performance than their L-column counterparts, due to advanced endcapping methodology. They show sharper peaks for acidic, basic and chelating compounds.

Ordering Information

Phase	Column Dimensions ^{1,2} (mm)							
	50 x 2.1	100 x 2.1	150 x 2.1	250 x 2.1	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6
3µm								
L-column2 ODS	711140	711170	711020	711220	721150	721180	721070	721080
L-column ODS	611140	611170	611020	611220	621150	621180	621070	621080
5µm								
L-column2 ODS	712140	712170	712020	712220	722150	722180	722070	722080
L-column2 C8	712141	712171	712021	712221	722151	722181	722071	722081
L-column ODS	612140	612170	612020	612220	622150	622180	622070	622080
L-column C8	612141	612171	612021	612221	622151	622181	622071	622081
L-column ODS-V	-	-	-	-	-	-	622078	622088

¹ Other dimensions available, including capillary and preparative

² Guard cartridges available

